

FIG. 6

Green Side Square wave generator LM555 LM224 Square wave to sin wave processor The sin wave drives a **LED** LED by a transistor through a fiber optic to the tissue. Tissue The photo transistor Photo gather the reflected Transistor light that comes back through the fiber optic. High-pass The signal is sent through a high-pass Filter filter. The signal is sent CD4016 into the CD4016 for rectification.

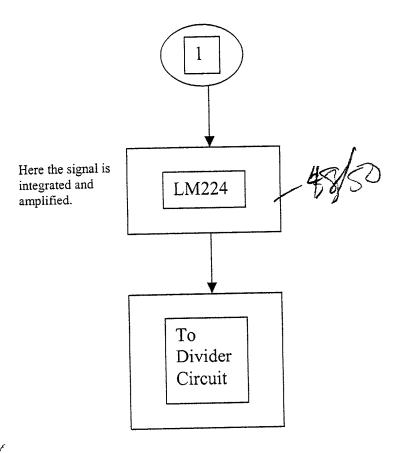


FIG. 75

Red Side Square wave generator LM555 LM224 Square wave to sin wave processor The sin wave drives a LED LED by a transistor through a fiber optic to the tissue. Tissue The photo transistor Photo gather the reflected Transistor light that comes back through the fiber optic. High-pass FIG. 8a The signal is sent through a high-pass Filter filter. The signal is sent CD4016 into the CD4016 for rectification.

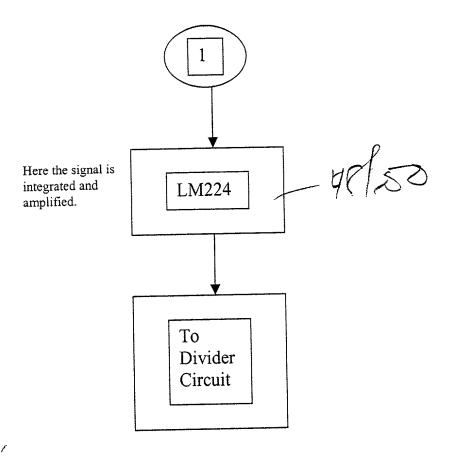


FIG. 8b

Divider Circuit

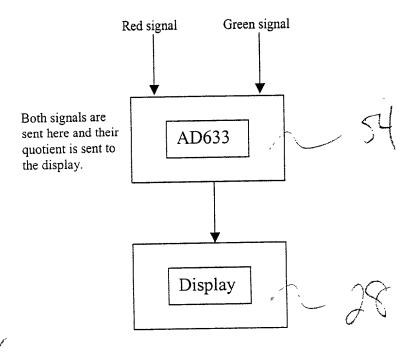


FIG. 9